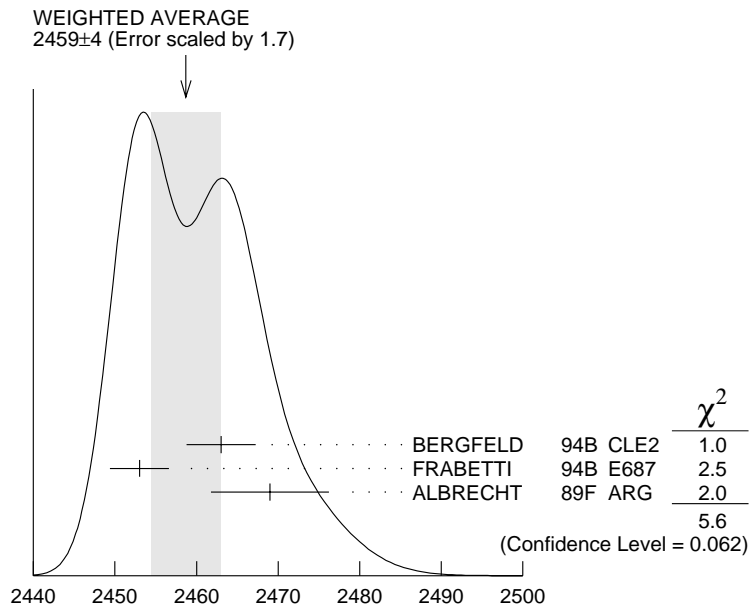


$D_2^*(2460)^\pm$

$$I(J^P) = \frac{1}{2}(2^+)$$

$D_2^*(2460)^\pm$ MASS

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
2459±4 OUR AVERAGE	Error includes scale factor of 1.7. See the ideogram below.			
2463±3±3	310	BERGFELD	94B CLE2	$e^+ e^- \rightarrow D^0 \pi^+ X$
2453±3±2	185	FRABETTI	94B E687	$\gamma Be \rightarrow D^0 \pi^+ X$
2469±4±6		ALBRECHT	89F ARG	$e^+ e^- \rightarrow D^0 \pi^+ X$



$D_2^*(2460)^\pm$ mass (MeV)

$m_{D_2^*(2460)^\pm} - m_{D_2^*(2460)^0}$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.9±3.3 OUR AVERAGE	Error includes scale factor of 1.1.		
- 2 ±4 ±4	BERGFELD	94B CLE2	$e^+ e^- \rightarrow$ hadrons
0 ±4	FRABETTI	94B E687	$\gamma Be \rightarrow D \pi X$
14 ±5 ±8	ALBRECHT	89F ARG	$e^+ e^- \rightarrow D^0 \pi^+ X$

$D_2^*(2460)^\pm$ WIDTH

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
25^{+8}_{-7} OUR AVERAGE				
$27^{+11}_{-8} \pm 5$	310	BERGFELD	94B CLE2	$e^+ e^- \rightarrow D^0 \pi^+ X$
$23 \pm 9 \pm 5$	185	FRABETTI	94B E687	$\gamma \text{Be} \rightarrow D^0 \pi^+ X$

$D_2^*(2460)^\pm$ DECAY MODES

$D_2^*(2460)^-$ modes are charge conjugates of modes below.

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \quad D^0 \pi^+$	seen
$\Gamma_2 \quad D^{*0} \pi^+$	seen

$D_2^*(2460)^\pm$ BRANCHING RATIOS

$\Gamma(D^0 \pi^+)/\Gamma_{\text{total}}$	Γ_1/Γ
<u>VALUE</u>	<u>DOCUMENT ID</u> <u>TECN</u> <u>COMMENT</u>
seen	ALBRECHT 89F ARG $e^+ e^- \rightarrow D^0 \pi^+ X$
$\Gamma(D^0 \pi^+)/\Gamma(D^{*0} \pi^+)$	Γ_1/Γ_2
<u>VALUE</u>	<u>DOCUMENT ID</u> <u>TECN</u> <u>COMMENT</u>
$1.9 \pm 1.1 \pm 0.3$	BERGFELD 94B CLE2 $e^+ e^- \rightarrow \text{hadrons}$

$D_2^*(2460)^\pm$ REFERENCES

BERGFELD 94B PL B340 194	T. Bergfeld <i>et al.</i>	(CLEO Collab.)
FRABETTI 94B PRL 72 324	P.L. Frabetti <i>et al.</i>	(FNAL E687 Collab.)
ALBRECHT 89F PL B231 208	H. Albrecht <i>et al.</i>	(ARGUS Collab.)